



(Knowledge for Development)

KIBABII UNIVERSITY UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER MAIN EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY AND BACHELOR OF SCIENCE IN BIORESOURCE CONSERVATION AND MANAGEMENT

COURSE CODE: SBT 121

COURSE TITLE: CRYPTOGAMIC BOTANY

DATE: Tuesday 13^{th} July, 2021. **TIME:** 2:00 - 4:00 p.m.

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 3 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

QUESTION 1

a) Define cryptogamic botany and list the relevant examples of plants in this group	
a) Define cryptoguistics	(3 Marks)
b) State Three sub divisions of tracheophyta	(3 Marks)
c) Compare the life cycle of ferns to that of moss plants	(4 Marks)
	(3 Marks)
d) With examples state the role of pteridophytes	(O.Maulsa)
e) Define and state the role of following:	(2 Marks)
i. Rhizoids	
ii. Stomium	
f) Define the following	(3 Marks)
i. Anisogamy	
ii. Homosporous life cycle	
iii. Heterosporous life cycle	
g) Distinguish between acronematic flagellum and pleuronematic flagellum	
g) Distinguish between the	(3 Marks)
h) State Two functions of algae	(2 Marks)
	(2 Marks)
i) State Two characteristics of bryophytes	(2 Marks)
j) State Two functions of lichens	(2 Marks)
k) Pteridophytes comprise Three separate evolutionary lineages. Which ones are	
they?	(3 Marks)
incy.	

QUESTION 2

Explain classification of cryptogams (20 Marks)

QUESTION 3

a) Describe sexual reproduction in pteridophytes (10 Marks)

b) Compare Bryopsida and Marchantiopsida. (10 Marks)

QUESTION 4

Explain the general morphology and Life cycle of Algae (20 marks)

QUESTION 5

Describe the economic importance of algae (20 Marks)